

## WHAT IS CLAIMED IS:

1. An improved mounting cup for mounting an aerosol valve for dispensing an aerosol product from a collapsible container within an aerosol container, comprising:  
a peripheral rim located in proximity to an outer periphery of said mounting cup for sealing said mounting cup to the aerosol container;  
a turret located in proximity to an inner periphery of said mounting cup for receiving the aerosol valve for dispensing the aerosol product from the collapsible container;  
and  
a mounting surface located intermediate said peripheral rim and said turret for securing the collapsible container to said mounting cup.
2. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, wherein said collapsible container comprises a flexible bag for containing the aerosol product.
3. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, wherein said mounting surface is integral with said mounting cup.
4. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, wherein said mounting surface extends generally parallel to an axis of symmetry of said mounting cup.
5. An improved mounting cup for dispensing an aerosol product as set forth in claim 1,

wherein said mounting surface extends generally perpendicular to an axis of symmetry of said mounting cup.

6. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, wherein said mounting surface comprises a cylindrical surface having a cylindrical axis coincident with an axis of symmetry of said mounting cup.
7. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, wherein said mounting surface comprises a cylindrical surface extending from said mounting cup into the aerosol container.
8. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, wherein said mounting surface comprises a cylindrical recess within said mounting cup.
9. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including a bond for securing the collapsible container to said mounting cup.
10. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including a metallic weld bond for securing the collapsible container to mounting cup.
11. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including an adhesive bond for securing the collapsible container to said mounting cup.
12. An improved mounting cup for dispensing an aerosol product as set forth in claim 1,

including a polymeric bond material for securing the collapsible container to said mounting cup.

13. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including a first polymeric bond material located on said mounting surface of said mounting cup;  
a second polymeric bond material located on the collapsible container; and  
said first polymeric bond material bonding with said second polymeric bond material for securing the collapsible container to said mounting cup.
14. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including a first polymeric bond material located on said mounting surface of said mounting cup;  
a second polymeric bond material located on the collapsible container; and  
said first polymeric bond material being sonically bonded to said second polymeric bond material for securing the collapsible container to said mounting cup.
15. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including a first polymeric bond material located on said mounting surface of said mounting cup;  
a second polymeric bond material located on the collapsible container; and  
said first polymeric bond material being heat sealed to said second polymeric bond material for securing the collapsible container to said mounting cup.

16. An improved mounting cup for dispensing an aerosol product as set forth in claim 1, including a first polymeric bond material laminated on said mounting surface of said mounting cup;  
a second polymeric bond material located on the collapsible container; and  
said first polymeric bond material bonding to said second polymeric bond material for securing the collapsible container to said mounting cup.
17. An improved aerosol dispenser for dispensing an aerosol product under pressure from an aerosol propellant, comprising:  
an aerosol container for containing the aerosol propellant;  
an aerosol valve mounted to a mounting cup;  
said mounting cup being sealed to said aerosol container; and  
a collapsible container secured to said mounting cup and extending within the aerosol container and for enabling the aerosol propellant to apply pressure to said collapsible container for dispensing the aerosol product through said aerosol valve.
18. An improved aerosol dispenser for dispensing an aerosol product as set forth in claim 17, wherein said collapsible container inhibits permeation of the aerosol propellant through the valve body and into the aerosol product.
19. An improved aerosol dispenser for dispensing an aerosol product as set forth in claim 17, wherein said mounting cup defines an integral mounting surface extending generally parallel to an axis of symmetry of said mounting cup for securing the collapsible

container to said mounting cup.

20. An improved aerosol dispenser for dispensing an aerosol product as set forth in claim 17, wherein said mounting cup defines an integral mounting surface extending generally perpendicular to an axis of symmetry of said mounting cup for securing the collapsible container to said mounting cup.
21. An improved aerosol dispenser for dispensing an aerosol product as set forth in claim 17, wherein said mounting cup defines an integral mounting surface extending from said mounting cup into the aerosol container.
22. An improved aerosol dispenser for dispensing an aerosol product as set forth in claim 17, wherein said mounting cup defines an integral mounting surface forming a recess in said mounting cup.
23. A method of securing a collapsible container to a mounting cup, comprising the steps of:  
forming a mounting cup having a sealing surface located radially inwardly from an interior region of a peripheral rim of the mounting cup and radially outwardly from a turret of the mounting cup;  
forming a collapsible container; and  
bonding the collapsible container to the sealing surface of the mounting cup.
24. A method of securing a collapsible container to a mounting cup as set forth in claim 23, wherein the step of bonding the collapsible container to the sealing surface of the

mounting cup comprises metallically welding the collapsible container to the sealing surface of the mounting cup.

25. A method of securing a collapsible container to a mounting cup as set forth in claim 23, wherein the step of bonding the collapsible container to the sealing surface of the mounting cup comprises adhesively bonding the collapsible container to the sealing surface of the mounting cup.
26. A method of securing a collapsible container to a mounting cup as set forth in claim 23, wherein the step of bonding the collapsible container to the sealing surface of the mounting cup comprises melting a polymeric material for bonding the collapsible container to the sealing surface of the mounting cup.
27. A method of securing a collapsible container to a mounting cup, comprising the steps of:  
forming a mounting cup having a first polymeric sealing material thereon;  
forming a collapsible container having a second polymeric sealing material thereon; and  
bonding the first polymeric sealing material to the second polymeric sealing material for  
securing the collapsible container to mounting cup.
28. A method of securing a collapsible container to a mounting cup as set forth in claim 27, wherein the step of forming a mounting cup includes forming the mounting cup from a sheet of metallic material laminated with the first polymeric sealing material thereon.
29. A method of securing a collapsible container to a mounting cup as set forth in claim 27,

wherein the step of forming the collapsible container includes forming the collapsible container from a metallic material laminated with the second polymeric sealing material thereon.

30. A method of securing a collapsible container to a mounting cup as set forth in claim 27, wherein the step of bonding the first polymeric sealing material to the second polymeric sealing material includes sonically welding the first polymeric sealing material to the second polymeric sealing material.
31. A method of securing a collapsible container to a mounting cup as set forth in claim 27, wherein the step of bonding the first polymeric sealing material to the second polymeric sealing material includes heat sealing the first polymeric sealing material to the second polymeric sealing material.
32. A method of filling a collapsible container with an aerosol product, the collapsible container being located within the aerosol container of an aerosol dispenser, the aerosol dispenser comprising an aerosol mounting cup secured to an aerosol container, the aerosol mounting cup having a turret for supporting an aerosol valve and with an aperture defined in the aerosol mounting cup, the method comprising the steps of:  
forming a mounting cup having a sealing surface radially outward of the turret;  
forming a collapsible container;  
bonding the collapsible container to the sealing surface of the mounting cup; and  
injecting the aerosol product under pressure into the aperture defined in the aerosol mounting cup for filling the collapsible container.

33. A method of filling a collapsible container with an aerosol product as set forth in claim 32, wherein the step of injecting the aerosol product under pressure into the aperture includes injecting the aerosol product under pressure into an aperture surrounding a valve stem of the aerosol valve.
33. A method of filling a collapsible container with an aerosol product as set forth in claim 32, wherein the step of injecting the aerosol product under pressure into the aperture includes injecting the aerosol product under pressure into an aperture defined in the aerosol mounting cup to flow a around the aerosol valve for filling the collapsible container.